

## ATTACHMENT A

### 2001 MOLINATE (ORDRAM) WORKER SAFETY PERMIT CONDITIONS

The following are the Worker Safety Permit Conditions for Molinate (Ordram 8-E, 10-G, and 15-GM). Please read these permit conditions carefully.

#### I. General Requirements

##### A. Personal Protective Equipment

1. Coveralls are specifically required by these 2001 molinate (Ordram) permit conditions as personal protective equipment (PPE) for handling activities in addition to the PPE requirements on the Ordram 10-G, Ordram 15-GM, and Ordram 8-E labels. These permit conditions also specify that references to a long-sleeved shirt and long pants herein, and on the Ordram 10-G, Ordram 15-GM, and Ordram 8-E product labels, shall be interpreted to mean garments meeting the definition of coveralls. As a requirement of these permit conditions, coveralls are made the responsibility of the employer as provided in 3CCR section 6736.
2. The employer shall provide, and require employees to wear, all PPE (apparel and devices) required by these 2001 molinate (Ordram) worker safety permit conditions, product labeling, and regulation(s). The employer shall provide for daily inspection and cleaning of all PPE and repair or replace any worn, damaged, or heavily contaminated PPE. The employer shall keep and wash potentially contaminated PPE separately from other clothing or laundry. All PPE must remain the property of the employer, and pesticide handlers must not be allowed or directed to take potentially contaminated PPE into their homes. Reference: 3CCR sections 6736 and 6738(a)(1), (a)(6), and (a)(8).

##### B. Granular Formulation: Requirements for **aerial or ground** application handlers who **will come in contact with** Ordram 10-G and/or Ordram 15-GM product.

##### 1. Bag Handling Requirements

- (a) No person shall load more than 152,000 pounds of Ordram 10-G and/or Ordram 15-GM per season. Two bag sizes are available: 500 pounds and 1,200 pounds.
- (b) Ordram 10-G and Ordram 15-GM shall be loaded only in the following manner:

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- (1) Directly from the bulk bag into the application vehicle hopper (direct loading) or
  - (2) Directly from the bulk bag into a loading cone and then to the application vehicle hopper (transloading).
- (c) The employer shall maintain a record of persons loading Ordram 10-G and/or Ordram 15-GM and make these records available for inspection by the county agricultural commissioner or the Director upon request.

Records shall be kept as follows:

- (1) Name of person(s).
  - (2) The date and total pounds of Ordram 10-G loaded per day.
  - (3) The date and total pounds of Ordram 15-GM loaded per day.
2. Loaders or any persons having contact with or handling full, partial, or empty Ordram 10-G and/or Ordram 15-GM bags shall wear the following PPE (apparel and devices):
- (a) Protective apparel combinations:
    - (1) A coverall or garments defined as a "coverall" in 3CCR section 6000, UNDER a disposable coverall made of a synthetic material capable of excluding particles 45 microns or larger in diameter, such as Tyvek Q®<sup>1</sup>, KLEENGUARD®<sup>1</sup>, polypropylene, or other brands of coverall approved by the Department of Pesticide Regulation (DPR), Worker Health and Safety Branch; **OR**
    - (2) A full-body cloth suit (long-sleeved and long-legged) impregnated with activated charcoal UNDER a coverall or garments defined as a "coverall" in 3CCR section 6000; **OR**

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<sup>1</sup>Use of trade or brand names does not imply endorsement by DPR. Trademark ownership: Gore-Tex, W.L. Gore & Associates; Tyvek, E.I. duPont de Nemours; KLEENGUARD, Kimberly-Clark; SARANEX, Dow Chemical Company.

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- (3) A coverall or garments defined as a "coverall" in 3CCR section 6000, UNDER a chemical resistant coverall as specified in 3CCR section 6738 (g)(1). Examples of a chemical resistant coverall are rain suits, Tyvek QC®<sup>1</sup>, Tyvek® laminated with SARANEX®<sup>1</sup>, polypropylene laminated with polyethylene, or other brands of coverall approved as chemical resistant by the DPR, Worker Health and Safety Branch.
  - (b) A National Institute for Occupational Safety and Health (NIOSH) and/or Mine Safety and Health Administration (MSHA) approved full-face respirator with either cartridges(s) approved for organic vapors with a dusts/mists prefilter approved for pesticides, or a canister approved for pesticides.
  - (c) Chemical resistant gloves.
  - (d) Chemical resistant boots or chemical resistant coverings worn over boots or shoes.
  - (e) A tightly woven head covering.
3. Flaggers **NOT working in an enclosed cab**/vehicle shall wear the following PPE (apparel and devices):
- (a) A coverall or garments defined as a "coverall" in 3CCR section 6000, UNDER either a cloth coverall or a disposable coverall made of synthetic materials capable of excluding particles 45 microns or larger in diameter. Examples of these are Tyvek Q®<sup>1</sup>, KLEENGUARD®<sup>1</sup>, polypropylene, or other brands of coverall approved by the DPR Worker Health and Safety Branch.
  - (b) A NIOSH and/or MSHA approved half-mask respirator with either cartridge(s) approved for organic vapors with a dusts/mists prefilter approved for pesticides or a canister approved for pesticides.
  - (c) Protective eyewear (safety glasses). Reference: 3CCR section 6738(b)(1)(E).
  - (d) Chemical resistant gloves.

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- (e) Chemical resistant boots or chemical resistant coverings worn over boots or shoes.
  - (f) A tightly woven head covering.
4. Flaggers **working in an enclosed cab**/vehicle shall wear the following PPE (apparel and devices):
- (a) A coverall or garments defined as a "coverall" in 3CCR section 6000.
  - (b) Protective eyewear is not required to be worn by flaggers working in an enclosed cab/vehicle.
  - (c) The PPE (apparel and devices) required above in this section for flaggers shall be immediately available to the flagger and stored in a chemical resistant container.
  - (d) The PPE required above in this section for flaggers shall be worn when performing flagging activities outside of the enclosed cab/vehicle. Reference: 3CCR section 6738(i)(7).
- C. Granular Formulation: Requirements for **aerial or ground** application handlers **not involved** in mixing or loading Ordram 10-G and/or Ordram 15-GM product.
1. Pilots shall wear the following PPE (apparel and devices):
- (a) A coverall or garments defined as a "coverall" in 3CCR section 6000.
  - (b) Pilots involved in loading or equivalent activities (load leveling, washing windshields, handling the bucket sock, etc.) where they may come in contact with Ordram 10-G and/or Ordram 15-GM shall wear the same PPE (apparel and devices) required for loaders in section III.B.2 of these 1997 molinate (Ordram) worker safety permit conditions.
2. Ground applicators **NOT** involved in mixing or loading Ordram 10-G and/or Ordram 15-GM, **NOT** having contact with or handling full, partial, or empty Ordram 10-G and/or Ordram 15-GM bags, and **NOT working in an enclosed cab** shall wear the following PPE (apparel and devices):

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- (a) A coverall or garments defined as a "coverall" in 3CCR section 6000, UNDER either a cloth coverall or a disposable coverall made of synthetic materials capable of excluding particles 45 microns or larger in diameter. Examples of these are Tyvek Q®<sup>1</sup>, KLEENGUARD®<sup>1</sup>, polypropylene, or other brands of coverall approved by the DPR, Worker Health and Safety Branch.
  - (b) A NIOSH and/or MSHA approved full-face respirator with either cartridges(s) approved for organic vapors with a dusts/mists prefilter approved for pesticides or a canister approved for pesticides.
  - (c) Chemical resistant gloves.
  - (d) Chemical resistant boots or chemical resistant coverings worn over boots or shoes.
  - (e) A tightly woven head covering.
3. Ground applicators **NOT** involved in mixing or loading Ordram 10-G and/or Ordram 15-GM, **NOT** having contact with or handling full, partial, or empty Ordram 10-G and/or Ordram 15-GM bags, and **working in an enclosed cab** shall wear the following PPE (apparel and devices):
- (a) A coverall may be substituted for the PPE (apparel) as required above in this section for ground applicators. Reference: 3CCR section 6738(i)(5).
  - (b) A NIOSH and/or MSHA approved half-mask respirator with either cartridges(s) approved for organic vapors with a dusts/mists prefilter approved for pesticides or a canister approved for pesticides must be worn unless working in an enclosed cab acceptable for respiratory protection. Reference: 3CCR sections 6738(i)(5).
  - (c) Protective eyewear is not required to be worn by ground applicators working in an enclosed cab.

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- (d) The PPE (apparel and devices) required above in this section for ground applicators shall be immediately available to the ground applicator and stored in a chemical resistant container.
- (e) The PPE (apparel and devices) required above in this section for ground applicators shall be worn if it is necessary to exit the enclosed cab and contact pesticide treated surfaces, soil, or equipment in the treated area.

#### D. Liquid Formulation: Handling Requirements

1. **Liquid molinate (Ordram 8-E) shall not be applied by air.**
2. Mixers, loaders, and applicators **NOT working in an enclosed cab** who **will come in contact with** Ordram 8-E product shall wear the following PPE (apparel and devices):
  - (a) A coverall, or garments defined as a "coverall" in 3CCR section 6000, UNDER a chemical resistant coverall as specified in 3CCR section 6738 (g)(1). Examples of a chemical resistant coverall are rain suits, Tyvek QC®<sup>1</sup>, Tyvek®<sup>1</sup> laminated with SARANEX®<sup>1</sup>, polypropylene laminated with polyethylene, or other brands of coverall approved as chemical resistant by the DPR, Worker Health and Safety Branch.
  - (b) A NIOSH and/or MSHA approved full-face respirator with either cartridge(s) approved for organic vapors with a prefilter approved for pesticides or a canister approved for pesticides.
  - (c) Chemical resistant gloves.
  - (d) Chemical resistant boots or chemical resistant coverings worn over boots or shoes.
  - (e) A tightly woven head covering.

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3. Applicators **NOT** involved in mixing or loading Ordram 8-E and **working in an enclosed cab** shall wear the following PPE (apparel and devices):
  - (a) A coverall and shoes plus socks may be substituted for the PPE apparel required above in this section for Ordram 8-E mixers and loaders.
  - (b) A NIOSH and/or MSHA approved half-mask respirator with either cartridge(s) approved for organic vapors with a prefilter approved for pesticides or a canister approved for pesticides must be worn unless the applicator is working in an enclosed cab acceptable for respiratory protection.
  - (c) Applicators of Ordram 8-E working in an enclosed cab are not required to wear protective eyewear.
  - (d) The PPE (apparel and devices) required above in this section for loaders and mixers of Ordram 8-E shall be immediately available to the applicator and stored in a chemical resistant container.
  - (e) The PPE (apparel and devices) required above in this section for mixers and loaders of Ordram 8-E shall be worn if it is necessary to exit the enclosed cab and contact pesticide treated surfaces, soil, or equipment in the treated area.

## II. Regulatory Requirements and Definitions

- A. "Chemical resistant," with respect to protective clothing, gloves, and boots, means personal protective equipment (PPE) that is constructed of a material that allows no measurable movement of the pesticide through it during use. When PPE constructed of a specific material is specified on pesticide product labeling, PPE constructed of that material shall be used. Chemical resistant material does not include woven or porous material, such as cloth, leather, or Gore-Tex<sup>TM2</sup>,

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regardless of whether the material has been treated with a sealing agent.  
Reference: Title 3 California Code of Regulations (3CCR) section 6000.

A "chemical resistant suit" covers the torso, head, arms, and legs. If the ambient temperature exceeds 80°F during daylight hours or 85°F during nighttime hours, employees shall not be allowed to continue handling pesticides which require wearing a chemical resistant suit unless employees use cooled chemical resistant suits or other control methods to maintain an effective working environment at or below 80°F during daylight hours or 85°F during nighttime hours.  
Reference: 3CCR section 6738 (g)(2).

- B. "Coverall" means a **one- or two-piece garment** of closely woven fabric or equivalent that covers the entire body, except the head, hands, and feet, and must be provided by the employer as PPE. Coverall differs from, and should not be confused with, work clothing that can be required to be provided by the employee. Coveralls are specifically required by these molinate permit conditions for handling activities in addition to the PPE requirements on the Ordram 10-G, Ordram 15-GM, and Ordram 8-E labels.  
Reference: 3CCR sections 6000 and 6736.

The employer shall assure that coveralls, and garments defined as a "coverall" in 3CCR section 6000 and required by these molinate worker safety permit conditions, are either cleaned daily or disposed of at the end of each employee's work shift. Employees must change out of their potentially contaminated coveralls, and garments defined as a "coverall" in 3CCR section 6000, and wash [themselves] at the end of the workday. The employer must assure that potentially contaminated coveralls, and garments defined as a "coverall" in 3CCR section 6000, are not taken home by employees. Employees who do not return to the workplace at the end of the workday must remove and store potentially contaminated coveralls, and garments defined as a "coverall" in 3CCR section 6000, in a sealable container outside their living quarters for later return to the employer. Reference: 3CCR section 6736.

- C. "Enclosed cab" means a chemical resistant barrier completely surrounding the occupant(s) of the cab that prevents contact with pesticides or treated surfaces outside the cab. Reference: 3CCR section 6000.
- B. "Personal protective equipment" (PPE) means apparel and devices worn to minimize human body contact with pesticides or pesticide residues that must be provided by an employer and are separate from, or in addition to, work clothing. PPE may include, chemical resistant suits, chemical resistant gloves, chemical resistant footwear, respiratory protection devices, chemical resistant aprons,



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chemical resistant headgear, protective eyewear, or a coverall (one- or two-piece garment). Reference: 3CCR section 6000.

- E. Respiratory Protection. The employer shall assure that the air purifying elements (prefilters, filters, and cartridges) or entire respirator, if disposable, are replaced according to pesticide product labeling directions or respiratory equipment manufacturer recommendations, whichever provides for the most frequent replacement, or absent any other instructions on service life, at the end of each day's work period. At the first indication of odor, taste, or irritation, the wearer shall leave the area and check the respirator for fit or function concerns or air purifying element replacement. Reference: 3CCR section 6738 (h)(8).
- F. "Work clothing" means garments such as long-sleeved shirts, short-sleeved shirts, long pants, short pants, shoes, and socks. Work clothing is not considered PPE although pesticide product labeling or regulations may require specific work clothing during some activities. Work clothing differs from and should not be confused with a coverall. While coveralls shall be provided by the employer, work clothing can be required to be provided by the employee. Short-sleeved shirts and short pants are considered acceptable work clothing only under conditions expressly permitted by pesticide product labeling. Reference: 3CCR section 6000.

